

Application Serial No. 10/812,639
Reply to Office Action of July 25, 2008

PATENT
Docket: CU-3673

Amendments to the Claims

The listing of claims presented below replaces all prior versions, and listings, of claims in the application.

Listing of claims:

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1. (currently amended) A mounting structure for installing a module into a socket, the mounting structure comprising:

an electrode pad formed in a lower portion of the module;

a plurality of contacting members, each having a contacting end and a springy portion disposed in the socket; and

a depressed portion formed on the lower portion of the module;

wherein, when the lower portion of the module is inserted into the socket, the depressed portion being shaped and configured to accommodate the springy portion of the plurality of contacting members so that the lower portion of the module does not make contact with the springy portion of the plurality of contacting members, and the contacting end being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the module, and

the plurality of contacting members being shaped and configured to engage the module in the lateral direction.

2. (currently amended) A mounting structure for installing a module into a socket, the mounting structure comprising:

an electrode pad formed in a lower portion of the module;

a plurality of contacting members, each having a contacting end disposed in the socket, the contacting end being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the module when the lower portion of the module is inserted into the socket; and

an engagement member disposed in the socket to releasably engage a side surface of the module when the lower portion of the module is inserted into the socket,

wherein the plurality of contact members being shaped and configured to engage the module in the lateral direction, and

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a hook portion being locked with a recess with elastic force of a springy portion.

3. (original) The mounting structure as claimed in claim 2, wherein the socket comprises a grounding contacting member; and
the engagement member is a portion of the grounding contacting member.
4. (currently amended) [[The]] A mounting structure for installing a module into a socket, the mounting structure comprising:
 - an electrode pad formed in a lower portion of the module;
 - a contacting member having a contacting end disposed in the socket, the contacting end being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the module when the lower portion of the module is inserted into the socket;
 - a recess formed on a side surface of the lower portion of the module; and
 - a cutout formed on the socket at a position in correspondence to the recess, the recess facing the cutout when the lower portion of the module is inserted into the socket,
 - wherein the recess is engagable with a de-installation tool through the cutout when the lower portion of the module is inserted into the socket, and
 - hook portions formed at ends of arm portions of a separation tool is engaged within recesses via cutouts of the socket.
5. (previously presented) A compact camera module set, comprising:
 - a compact camera module including a lens and a solid image pickup device;
 - a socket;
 - an electrode pad formed in a lower portion of the compact camera module;
 - a contacting member having a contacting end and a springy portion disposed in the socket; and
 - a depressed portion formed on the lower portion of the compact camera module;
 - wherein, when the lower portion of the compact camera module is inserted into the socket, the depressed portion being shaped and configured to accommodate

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the springy portion of the contacting member so that the lower portion of the compact camera module does not make contact with the springy portion of the contacting member, and the contacting end being shaped as configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the compact camera module.

6. (previously presented) A compact camera module set, comprising:
a compact camera module including a lens and a solid pickup device;
a socket;
an electrode pad formed in a lower portion of the compact camera module;
a contracting member having a contacting end disposed in the socket, the contacting end being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the compact camera module when the lower portion of the compact camera module is inserted into the socket; and

an engagement member is disposed in the socket to releasably engage a side surface of the compact camera module when the lower portion of the compact camera module is inserted into the socket.

7. (original) The compact camera module set as claimed in claim 6, wherein the socket comprises a grounding contacting member, and the engagement member is a portion of the grounding contacting member.

8. (previously presented) A compact camera module set, comprising:
a compact camera module including a lens and a solid image pickup device;
a socket;
an electrode pad formed in a lower portion of the compact camera module;
a contacting member having a contacting end disposed in the socket, the contacting end being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the compact camera module when the lower portion of the compact camera module is inserted into the socket;

a recess is formed on a side surface of the lower portion of the compact

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camera module; and

a cutout is formed on the socket at a position in correspondence to the recess, the recess facing the cutout when the lower portion of the compact camera module is inserted into the socket, the recess being engagable with a de-installation tool through the cutout when the lower portion of the compact camera module is inserted into the socket.

9. (previously presented) The mounting structure as claimed in claim 2, wherein the engagement member releasably engages a recess in the side surface of the module.

10. (previously presented) The compact camera module set as claimed in claim 6, wherein the engagement member releasably engages a recess in the side surface of the module.